

Table of Contents

S.0	EXECUTIVE SUMMARY	S-1
S.1	Introduction.....	S-1
S.2	Operating Environment	S-1
S.3	Miami-Dade Transit Overview	S-1
S.4	Performance Evaluation – Peer and Trend Analysis	S-2
S.5	Public Involvement	S-2
S.6	Goals and Objectives.....	S-2
S.7	Situation Appraisal	S-3
S.8	Ten Year Implementation Plan FY 2015 - FY 2024	S-3
S.8.1	Recommended Service Plan – Existing Metrobus Routes	S-3
S.8.2	Recommended Service Plan – New Metrobus Routes	S-3
S.8.3	Recommended Service Plan - Metromover.....	S-3
S.8.4	Recommended Service Plan – Metrorail.....	S-4
S.8.5	Recommended Service Plan – Special Transportation Services	S-4
S.8.6	Infrastructure Renewal Program Needs.....	S-4
S.9	Financial Plan.....	S-4
S.9.1	Operating Budget	S-4
S.9.2	Capital Budget.....	S-5
S.9.3	UNFUNDDED NEEDS.....	S-5
1.0	INTRODUCTION.....	1-1
1.1	Transit Development Plan Requirements.....	1-1
1.2	TDP Adoption Process	1-3
2.0	OPERATING ENVIRONMENT	2-1
2.1	Service Area Description.....	2-1
2.1.1	Land Use	2-1
2.2	Miami-Dade County Transportation System	2-4
2.2.1	Miami-Dade County Street Grid System.....	2-6
2.2.2	Roadway Capacity	2-6
2.3	Demographic and Economic Analysis	2-8
2.3.1	Data Sources.....	2-8
2.3.2	Miami-Dade County Population Characteristics.....	2-9
2.3.3	Age Distribution Characteristics	2-11
2.3.4	Household Characteristics	2-14

Draft Table of Contents

2.3.5	Racial and Ethnic Characteristics.....	2-16
2.3.6	Travel Time to Work	2-16
2.3.7	Transportation Disadvantaged Population Characteristics	2-19
2.3.8	Employment.....	2-19
2.3.9	Income Characteristics.....	2-20
2.3.10	Zero Vehicle Populations.....	2-21
2.3.11	Mobility Limited.....	2-23
2.4	Regional Transit Service Connections	2-23
2.4.1	South Florida Regional Transportation Authority (SFRTA).....	2-23
2.4.2	Broward County Transit (BCT).....	2-25
3.0	MIAMI-DADE TRANSIT SYSTEM OVERVIEW.....	3-1
3.1	Metrobus.....	3-1
3.1.1	Local Service	3-1
3.1.2	Circulator Service	3-2
3.1.3	Limited-Stop Service	3-3
3.1.4	Express Service.....	3-3
3.1.5	Bus Rapid Transit (Arterial Busway)	3-3
3.2	Metrorail	3-5
3.3	Metromover	3-7
3.4	Special Transportation Services.....	3-7
3.5	Maintenance and Storage Facilities.....	3-7
3.6	Park-and-Ride Facilities	3-9
3.7	Internal Services Department (ISD) Circulators.....	3-9
3.8	REGIONAL TRANSIT SERVICE CONNECTIONS	3-12
3.8.1	Broward County Transit (BCT).....	3-12
3.8.2	South Florida Regional Transportation Authority	3-13
3.9	Miami-Dade Transit Passenger Fare Structure	3-15
3.9.1	Farebox Recovery Ratio.....	3-16
3.10	Miami-Dade Transit's Special Programs	3-16
3.10.1	Transportation Disadvantaged Program.....	3-17
3.10.2	Section 5310 Program.....	3-17
3.10.3	Corporate Discount Program.....	3-17
3.10.4	College/Vocation School Discount Program.....	3-17
3.10.5	K-12 Discount Program.....	3-17
3.10.6	EASY Card Sales Outlets.....	3-18
3.10.7	Golden Passport Office	3-18
3.10.8	Medicaid Metropass Program	3-18
3.10.9	Services Provided by Private Contractors.....	3-18

3.11	Customer Information/Convenience.....	3-19
3.11.1	Smartphone Mobile Application (iPhone and Android)	3-19
3.11.2	Electronic Transit Rider Alert System / Train Tracker / Mover Tracker.....	3-19
3.12	Past Year's Accomplishments (2013).....	3-20
3.13	Service Operations	3-20
3.13.1	New Bus Service Routes.....	3-20
3.13.2	Bus Service Adjustments	3-20
3.13.3	Miami-Dade Transit Service Standards	3-20
3.14	Capital Improvements.....	3-21
3.14.1	AirportLink Metrorail Extension.....	3-21
3.14.2	Metrobus New Vehicle Replacement.....	3-22
3.14.3	Metrorail New Vehicle Replacement.....	3-23
3.14.4	Metromover New Vehicle Replacement.....	3-24
3.14.5	ADA Pedestrian Improvements along the Busway	3-24
3.14.6	Lehman Yard Rehabilitation – Expansion Phase I.....	3-24
3.14.7	Lehman Center Test Track.....	3-24
3.14.8	Metrorail Central Control Upgrade	3-24
3.14.9	Northeast Transit Hub Enhancements.....	3-25
3.14.10	Pedestrian Overpass at University Metrorail Station.....	3-25
3.14.11	Systemwide Safety and Security Upgrades.....	3-25
3.14.12	Park-and-Ride Facilities	3-26
3.14.13	Current Joint Development and Transit Oriented Development Projects.....	3-28
3.14.14	South Miami-Dade Busway and SW 296thStreet:	3-30
3.14.15	Future Joint Development and Transit Oriented Development Projects.....	3-30
3.14.16	Infrastructure Renewal Projects (IRP).....	3-32
3.14.17	ARRA Funded Projects	3-33
3.14.18	Wireless Service on Rail/Bus Vehicles/Electronic Signage Information.....	3-35
3.14.19	CAD/AVL System Replacement	3-35
3.14.20	Transit Signal Priority (TSP)	3-36
4.0	PEER COMPARISON AND TREND ANALYSIS	4-1
4.1	Peer Comparison Overview.....	4-1
4.1.1	Peer System Selection Methodology	4-1
4.2	Trend Analysis Overview	4-1
4.3	Findings Summary.....	4-2
4.4	Bus Peer Comparison and Trend.....	4-4

4.4.1	Route Miles	4-7
4.4.2	Unlinked Passenger Trips	4-8
4.4.3	Average Age (years) of Bus Fleet	4-9
4.4.4	Passenger Miles Traveled and Average Passenger Trip Length	4-10
4.4.5	Vehicle Revenue Hours and Vehicle Revenue Miles	4-12
4.4.6	Passenger Trips per Revenue Hour and Revenue Mile	4-14
4.4.7	Operating Cost per Passenger Trip and Revenue Hour.....	4-16
4.4.8	Weekend Service Availability (Revenue Hours).....	4-18
4.4.9	Operating Expenses.....	4-19
4.4.10	Maintenance Expenses.....	4-20
4.4.11	Farebox Revenues.....	4-21
4.4.12	Farebox Recovery Ratio.....	4-22
4.5	Heavy Rail Peer Comparison and Trend	4-23
4.5.1	Route Miles.....	4-26
4.5.2	Unlinked Passenger Trips	4-27
4.5.3	Average Age (years) of Heavy Rail Fleet.....	4-28
4.5.4	Passenger Miles Traveled and Average Passenger Trip Length	4-29
4.5.5	Vehicle Revenue Hours and Vehicle Revenue Miles	4-31
4.5.6	Passenger Trips per Revenue Hour and Revenue Mile	4-33
4.5.7	Operating Cost per Passenger Trip and Revenue Hour.....	4-35
4.5.8	Weekend Service Availability (Revenue Hours).....	4-37
4.5.9	Operating Expenses.....	4-38
4.5.10	Maintenance Expense.....	4-39
4.5.11	Farebox Revenues.....	4-40
4.5.12	Farebox Recovery Ratio.....	4-41
4.6	Automated Guideway Peer Comparison and Trend	4-42
4.6.1	Route Miles.....	4-45
4.6.2	Unlinked Passenger Trips	4-46
4.6.3	Average Age (years) of Automated Guideway Fleet.....	4-47
4.6.4	Passenger Miles Traveled and Average Passenger Trip Length	4-48
4.6.5	Vehicle Revenue Hours and Vehicle Revenue Miles	4-50
4.6.6	Passenger Trips per Revenue Hour and Revenue Mile	4-52
4.6.7	Operating Cost per Passenger Trip and Revenue Hour.....	4-54
4.6.8	Weekend Service Availability (Revenue Hours).....	4-56
4.6.9	Operating Expenses.....	4-57
4.6.10	Maintenance Expenses.....	4-58
4.6.11	Farebox Revenues and Farebox Recovery Ratio.....	4-59
4.7	Demand Response Peer Comparison and Trend	4-60
4.7.1	Unlinked Passenger Trips	4-63

Draft Table of Contents

4.7.2	Average Age (years) of Demand Response Fleet	4-64
4.7.3	Passenger Miles Traveled and Average Passenger Trip Length	4-65
4.7.4	Vehicle Revenue Hours and Vehicle Revenue Miles	4-67
4.7.5	Passenger Trips per Revenue Hour and Revenue Mile	4-69
4.7.6	Operating Cost per Passenger Trip and Revenue Hour	4-71
4.7.7	Weekend Service Availability (Revenue Hours).....	4-73
4.7.8	Operating Expenses.....	4-74
4.7.9	Maintenance Expenses.....	4-75
4.7.10	Farebox Revenues.....	4-76
4.7.11	Farebox Recovery Ratio.....	4-77
5.0	PUBLIC INVOLVEMENT.....	5-1
5.1	Introduction.....	5-1
5.2	Branding	5-1
5.3	Project Steering Committee	5-1
5.4	Focus Groups	5-1
5.5	On-Going MDT Outreach	5-2
5.6	Electronic Communication.....	5-3
5.7	Surveys.....	5-3
5.8	Presentations	5-6
5.8.1	Citizens Transportation Advisory Committee (CTAC).....	5-6
5.8.2	Transportation Planning Technical Advisory Committee (TPTAC).....	5-6
5.8.3	Transportation and Aviation Committee (TAC)	
5.9	Public Hearing.....	5-7
5.10	Public Involvement Summary	5-7
5.11	Evaluation Measures	5-7
6.0	TRANSIT DEVELOPMENT PLAN GOALS AND OBJECTIVES.....	6-1
6.1	Miami-Dade Transit's Mission	6-1
7.0	SITUATION APPRAISAL	7-1
7.1	Miami-Dade Transit Organizational Structure.....	7-1
7.2	Intergovernmental and Stakeholder Coordination	7-2
7.2.1	Regional Coordination	7-3
7.2.2	Metropolitan Planning Organization	7-3
7.2.3	Miami-Dade Planning and Zoning.....	7-4
7.2.4	Community Stakeholders	7-4
7.3	Local and Regional Transportation Plans.....	7-5
7.3.1	MPO 2035 LRTP	7-5

7.3.2	MPO 2040 LRTP	7-5
7.3.3	Regional LRTP	7-6
7.3.4	SFRTA Strategic Regional Transit Plan.....	7-6
7.4	Information Technology	7-6
7.4.1	Electronic Signage Information System (ESIS).....	7-8
7.4.2	Transit Operational System Replacement	7-8
7.4.3	Real Time Bus Tracker/Computer Aided Dispatch/Automatic Vehicle Locator System/Traffic Signal Priority	7-9
7.4.4	Traffic Signalization Prioritization (TSP).....	7-10
7.4.5	Pilot Project Using Cellular Infrastructure.....	7-11
7.4.6	Metrorail Central Control Upgrade	7-11
7.4.7	Replacement and Upgrade of Existing Radio Infrastructure System.....	7-11
7.4.8	Special Transportation Services.....	7-11
7.5	Plan Review.....	7-12
7.5.1	Transportation Program and Plans Review	7-12
7.5.2	Comprehensive Land Use Plans Review.....	7-12
7.6	Land Use.....	7-23
7.7	Transit Propensity	7-23
7.7.1	Population and Employment Density	7-33
7.7.2	Origin-Destination Surveys for MDT Local Bus Service.....	7-36
	Summary of On-Board Survey Results for Routes Served by the MDT Northeast Division Garage	7-37
	Summary of On-Board Survey Results for Routes Served by the MDT Central Division Garage	7-38
	Summary of Key Findings from Trip Origin and Destination Locational Data.....	7-39
7.8	Systemwide Travel Demand Model Estimates	7-41
7.8.1	Methodology.....	7-41
7.8.2	Scenarios.....	7-42
7.8.3	Results.....	7-42
7.8.4	Proposed System Enhancements.....	7-44
7.8.5	Overall Transit Ridership Growth	7-44
7.9	Monitoring Program to Track Annual Performance of MDT Services	7-47
7.9.1	Goal 1: Improve the Quality of Transit Services.....	7-47
7.9.2	Goal 2: Improve Customer Convenience, Comfort and Safety on Transit Service and within Facilities	7-51
7.9.3	Goal 3: Increase the Security of Transit Vehicles and Facilities	7-51
7.9.4	Goal 4: Support Economic Vitality.....	7-52
7.9.5	Goal 5: Preserve the Environment and Promote Energy Conservation	7-68

7.9.6	Goal 6: Enhance the Integration and Connectivity of the Transportation System, Across and Between Modes and Transit Providers, for People and Freight.....	7-70
7.9.7	Goal 7: Optimize Sound Investment Strategies for System Improvement and Management/Operation	7-70
7.9.8	Goal 8: Maximize and Preserve the Existing Transportation System.....	7-70
8.0	TEN YEAR IMPLEMENTATION PLAN	8-1
8.1	Assessment of Implemented Service Improvements and Adjustments (2013).....	8-1
8.2	FY 2014 Committed Transit Improvements.....	8-5
8.2.1	Committed Capital Improvement Plan	8-5
8.2.2	Committed Bus Service Adjustments.....	8-6
8.2.3	Committed Infrastructure Renewal Program Projects.....	8-8
8.3	Multi-Year Capital Improvement Plan (FY 2015 – FY 2024)	8-9
8.4	2024 Recommended Service Plan	8-9
8.4.1	Recommended Service Plan – Existing Metrobus Routes	8-11
8.4.2	Recommended Service Plan – New Metrobus Routes	8-22
8.5	2025 and Beyond Recommended Service Plan	8-29
8.5.1	2025 and Beyond Recommended Service Plan- Metrobus.....	8-29
8.5.2	2025 and Beyond Recommended Service Plan – Light Rail.....	8-30
8.5.3	2025 and Beyond Recommended Service Plan – Transit Hubs	8-30
8.5.4	2025 and Beyond Recommended Service Plan – Direct Access Ramps	8-31
8.5.5	Recommended Service Plan - Metromover.....	8-31
8.5.6	Recommended Service Plan – Metrorail.....	8-31
8.5.7	Recommended Service Plan – Special Transportation Services	8-31
8.6	Capital Needs	8-31
8.6.1	Transit Terminals.....	8-31
8.6.2	Bus Fleet Expansion	8-37
8.6.3	Alternative Fuels.....	8-37
8.7	Infrastructure Renewal Program Needs	8-38
9.0	FINANCIAL PLAN	9-1
9.1	Operating Expenses	9-1
9.1.1	Current Operating Expenses.....	9-1
9.1.2	Projected Operating Expenses.....	9-4
9.1.3	Operating Revenues	9-5
9.1.4	Projected Operating Revenues.....	9-6
9.1.5	Summary of Operating Budget.....	9-7
9.2	Capital Expenditures and Funding Sources	9-9

Draft Table of Contents

9.2.1	Planned Capital Expenditures.....	9-9
9.2.2	Capital Funding Sources	9-11
9.2.3	Summary of Capital Plan.....	9-11
9.3	Unfunded Needs for New Service Initiatives.....	9-14
9.3.1	Bus Route Improvements.....	9-14
9.3.2	Total Unfunded Needs	9-14
9.4	Funding Sources.....	9-16
9.4.1	Federal Funding Sources.....	9-16
9.4.2	State Funding Sources.....	9-19
9.4.3	Local and Regional Funding Sources	9-21
9.5	Alternative Project Delivery Strategies.....	9-25

APPENDIX

- A.1 MIAMI-DADE TRANSIT TABLE OF ORGANIZATION**
- A.2 METROBUS SERVICE CHARACTERISTICS (DECEMBER 2013)**
- A.3 PUBLIC INVOLVEMENT PLAN**
- A.4 PROJECT STEERING COMMITTEE**
- A.5 FOCUS GROUPS**
- A.6 OUTREACH ACTIVITIES BY COMMISSION DISTRICT**
- A.7 MDT TDP10AHEAD OUTREACH ACTIVITIES**
- A.8 MDT TDP10AHEAD SURVEY RESULTS**

List of Tables

Table 1-1:	MDT10Ahead TDP Major Update Checklist.....	1-2
Table 2-1:	Miami-Dade County Land Uses.....	2-4
Table 2-2:	Miami-Dade County Principal Interstate, Freeway, and Expressway Arterials	2-6
Table 2-3:	South Florida Population Growth, 2000-2012.....	2-9
Table 2-4:	Age Distribution Characteristics, 2008-2012.....	2-11
Table 2-5:	Miami-Dade County Household Characteristics, 2008-2012.....	2-14
Table 2-6:	Miami-Dade County Racial Characteristics, 2008-2012.....	2-16
Table 2-7:	Miami-Dade County Distribution of Workers by Industry, 2008-2012.....	2-16
Table 2-8:	Miami-Dade County Transportation Disadvantaged Characteristics, 2008-2012	2-19
Table 2-9:	Miami-Dade County Major Employers.....	2-20
Table 2-10:	Miami-Dade County Income Characteristics, 2008-2012.....	2-21
Table 2-11:	Number of Vehicles Available, 2008-2012.....	2-21
Table 2-12:	Mobility Limited Populations, 2008-2012	2-23
Table 2-13:	Tri-Rail Stations and MDT Route Connections.....	2-24
Table 2-14:	BCT Routes Serving Miami-Dade County	2-26
Table 3-1:	MDT Service Characteristics by Transit Mode, 2013	3-2
Table 3-2:	BCT Routes Serving Miami-Dade County	3-12
Table 3-3:	Tri-Rail Stations and MDT Route Connections.....	3-14
Table 3-4:	MDT Fare Structure Summary, December 2013.....	3-15
Table 3-5:	Farebox Recovery by MDT Mode.....	3-16
Table 3-6:	MDT Bus Replacement/Enhancement Schedule	3-22
Table 3-7:	MDT Diesel/Electric Hybrid Bus Procurement Schedule	3-22
Table 4-1:	Peer Agencies.....	4-3
Table 4-2:	Bus Peer Comparison (2012)	4-5
Table 4-3:	MDT Metrobus 2007-2012 Trend	4-6
Table 4-4:	Heavy Rail Peer Comparison (2012)	4-24
Table 4-5:	MDT Metrorail 2007-2012 Trend.....	4-25
Table 4-6:	Automated Guideway Peer Comparison (2012).....	4-43
Table 4-7:	MDT Metromover 2007-2012 Trend	4-44

Table 4-8:	Demand Response Peer Comparison (2012)	4-61
Table 4-9:	MDT Special Transportation Service 2007-2012 Trend	4-62
Table 5-1:	Corporate Discount Program Outreach, 2013	5-2
Table 5-2:	Survey Responses by Survey Type.....	5-3
Table 5-3:	Evaluation of Public Involvement.....	5-9
Table 7-1:	Program and Plans Review	7-13
Table 7-2:	Comprehensive Plans Review – Transit Supportive Assessment.....	7-16
Table 7-3:	Regionwide Statistics	7-43
Table 7-4:	2010 to 2024 Ridership Growth by MDT Mode	7-44
Table 7-5:	2024 Ridership Growth Comparison.....	7-45
Table 7-6:	MDT Annual On-Time Performance	7-48
Table 7-7:	Number of Transit Route Miles by Transit Mode	7-48
Table 7-8:	MDT Systemwide Boardings	7-49
Table 7-9:	Number of Station Stops Per Route Mile.....	7-49
Table 7-10:	Transit Route Miles in Corridors of Regional Significance.....	7-50
Table 7-11:	Transit Route Miles within ¼ mile of Urban Centers.....	7-52
Table 7-12:	MDT Major Trip Generators: Special Attractors, December 2013.....	7-53
Table 7-13:	MDT Major Trip Generators: Healthcare Facilities, December 2013.....	7-56
Table 7-14:	MDT Major Trip Generators: Retail Centers, December 2013	7-58
Table 7-15:	MDT Major Trip Generators: Major Employment Areas and Employers, December 2013	7-60
Table 7-16:	MDT Major Trip Generators: Educational Centers, December 2013	7-62
Table 7-17:	MDT Major Trip Generators, County Parks, December 2013	7-65
Table 7-18:	Transit Service Route Miles within ¼ mile of MIA and PortMiami	7-67
Table 7-19:	Transit Route Miles within ¼ mile of Redevelopment Areas	7-68
Table 7-20:	Transit Route Miles Within ¼ mile of the Route Alignment.....	7-69
Table 7-21:	Percent of Adherence to Preventative Maintenance Program by Mode	7-72
Table 7-22:	Mean Distance between Failures by Mode.....	7-72
Table 8-1:	2013 TDP Consistency Analysis Summary	8-2
Table 8-2:	MDT FY 2014 – 2015 Proposed Capital Budget (\$000's)	8-6
Table 8-3:	2014 Committed Bus Service Adjustments	8-7
Table 8-4:	Proposed FY 2014 – 2015 IRP Projects for Budget Approval.....	8-8
Table 8-5:	MDT FY 2013-14 Adopted Budget and Multi-Year Capital Plan (\$000's)	8-10
Table 8-6:	2015 – 2024 Recommended Service Plan Summary for Existing Routes (2024)	8-12
Table 8-7:	Future Transit Hub Locations and Feeder Routes for Existing Bus Routes.....	8-17
Table 8-8:	2015 – 2024 Recommended Service Plan New Routes Description	8-26
Table 8-9:	Future Transit Hub Locations and Feeder Routes for New Metrobus Routes	8-28
Table 8-10:	2024 Recommended Service Plan Transit Hub Needs	8-32
Table 8-11:	Proposed Park-and-Ride Sites	8-35
Table 8-12:	Bus Fleet Vehicle Needs.....	8-37
Table 8-13:	Infrastructure Renewal Program Funded Need (2024)	8-39
Table 8-14:	Proposed Infrastructure Renewal Program Unfunded Need (2024)	8-40
Table 9-1:	MDT Projected FY 2015 Direct Operating Expenses	9-1
Table 9-2:	MDT Projected FY 2015 Other Operating Expenses	9-4
Table 9-3:	MDT Operating Expense Inflation Assumptions.....	9-4
Table 9-4:	MDT Projected FY 2015 Operating Revenues.....	9-5
Table 9-5:	MDT Operating Revenue Growth Assumptions	9-7

Table 9-6:	MDT Operating Budget (FY 2015 - FY 2024) (\$000s).....	9-8
Table 9-7:	Planned MDT Capital Expenditures FY 2015-2024.....	9-10
Table 9-8:	Projected "Cash" Revenue Sources for Capital Projects, FY 2015-2024.....	9-11
Table 9-9:	MDT Capital Budget (FY 2015 - FY 2024) (\$000s)	9-12
Table 9-10:	Proposed Bus Route Improvements (FY 2015 - FY 2024) (Unfunded)	9-15
Table 9-11:	Proposed Unfunded Improvements.....	9-15

List of Figures

Figure 2-1:	MDT Service Area Coverage	2-2
Figure 2-2:	Existing Land Use Map	2-3
Figure 2-3:	Miami-Dade County Interstates, Freeways, and Expressways.....	2-5
Figure 2-4:	Level of Service (2011/2012)	2-7
Figure 2-5:	Miami-Dade County Population Density, 2010.....	2-10
Figure 2-6:	Miami-Dade County Population Density under 18 Years of Age.....	2-12
Figure 2-7:	Miami-Dade County Population Density age 65 Years and Over	2-13
Figure 2-8:	Miami-Dade County Housing Density (2010)	2-15
Figure 2-9:	Miami-Dade County Commute Times Greater than 30 Minutes in 2010	2-17
Figure 2-10:	Miami-Dade County Commute Times Greater than 45 Minutes in 2010	2-18
Figure 2-11:	Zero Car Household Density, CTPP 2006 – 2010 (Census TAZ Level)	2-22
Figure 3-1:	MDT Metrobus Route Map 2013	3-4
Figure 3-2:	MDT Metrorail System 2013	3-6
Figure 3-3:	MDT Metromover System 2013.....	3-8
Figure 3-4:	MDT Existing Park-and-Ride Sites 2013	3-10
Figure 3-6:	Current and Future Transit Joint Development Projects.....	3-31
Figure 4-1:	Bus Route Miles	4-7
Figure 4-2:	Bus Unlinked Passenger Trips.....	4-8
Figure 4-3:	Average Age (years) of Bus Fleet.....	4-9
Figure 4-4:	Bus Passenger Miles Traveled	4-10
Figure 4-5:	Bus Average Passenger Trip Length.....	4-11
Figure 4-6:	Bus Vehicle Revenue Hours.....	4-12
Figure 4-7:	Bus Vehicle Revenue Miles	4-13
Figure 4-8:	Bus Passenger Trips per Revenue Hour.....	4-14
Figure 4-9:	Bus Passenger Trips per Revenue Mile	4-15
Figure 4-10:	Bus Operating Expense per Passenger Trip	4-16
Figure 4-11:	Bus Operating Cost per Revenue Hour	4-17
Figure 4-12:	Bus Weekend Service Availability (Revenue Hours).....	4-18
Figure 4-13:	Bus Operating Expenses	4-19
Figure 4-14:	Bus Maintenance Expenses	4-20
Figure 4-15:	Farebox Revenues.....	4-21
Figure 4-16:	Bus Farebox Recovery Ratio	4-22
Figure 4-17:	Heavy Rail Route Miles.....	4-26
Figure 4-18:	Heavy Rail Unlinked Passenger Trips	4-27
Figure 4-19:	Average Age (years) of Heavy Rail Fleet.....	4-28
Figure 4-20:	Heavy Rail Passenger Miles Traveled.....	4-29
Figure 4-21:	Heavy Rail Average Passenger Trip Length.....	4-30
Figure 4-22:	Heavy Rail Vehicle Revenue Hours.....	4-31
Figure 4-23:	Heavy Rail Vehicle Revenue Miles	4-32

Draft Table of Contents

Figure 4-24:	Heavy Rail Passenger Trips per Revenue Hour.....	4-33
Figure 4-25:	Heavy Rail Passenger Trips per Revenue Mile	4-34
Figure 4-26:	Heavy Rail Operating Cost per Passenger Trip.....	4-35
Figure 4-27:	Heavy Rail Operating Cost per Revenue Hour.....	4-36
Figure 4-28:	Heavy Rail Weekend Service Availability (Revenue Hours).....	4-37
Figure 4-29:	Heavy Rail Operating Expenses.....	4-38
Figure 4-30:	Heavy Rail Maintenance Expenses.....	4-39
Figure 4-31:	Heavy Rail Farebox Revenues	4-40
Figure 4-32:	Heavy Rail Farebox Recovery Ratio.....	4-41
Figure 4-33:	Automated Guideway Route Miles	4-45
Figure 4-34:	Automated Guideway Unlinked Passenger Trips.....	4-46
Figure 4-35:	Average Age (years) of Automated Guideway Fleet	4-47
Figure 4-36:	Automated Guideway Passenger Miles Traveled.....	4-48
Figure 4-37:	Automated Guideway Average Passenger Trip Length	4-49
Figure 4-38:	Automated Guideway Vehicle Revenue Hours	4-50
Figure 4-39:	Automated Guideway Vehicle Revenue Miles.....	4-51
Figure 4-40:	Automated Guideway Passenger Trips per Revenue Hour	4-52
Figure 4-41:	Automated Guideway Passenger Trips per Revenue Mile.....	4-53
Figure 4-42:	Automated Guideway Operating Cost per Passenger Trip	4-54
Figure 4-43:	Automated Guideway Operating Cost per Revenue Hour	4-55
Figure 4-44:	Automated Guideway Weekend Service Availability (Revenue Hours)	4-56
Figure 4-45:	Automated Guideway Operating Expenses.....	4-57
Figure 4-46:	Automated Guideway Maintenance Expenses.....	4-58
Figure 4-47:	Automated Guideway Farebox Revenues.....	4-59
Figure 4-48:	Automated Guideway Farebox Recovery Ratio	4-59
Figure 4-49:	Demand Response Unlinked Passenger Trips.....	4-63
Figure 4-50:	Average Age (years) of Demand Response Fleet.....	4-64
Figure 4-51:	Demand Response Passenger Miles Traveled	4-65
Figure 4-52:	Demand Response Average Passenger Trip Length.....	4-66
Figure 4-53:	Demand Response Vehicle Revenue Hours.....	4-67
Figure 4-54:	Demand Response Vehicle Revenue Miles	4-68
Figure 4-55:	Demand Response Passenger Trips per Revenue Hour	4-69
Figure 4-56:	Demand Response Passenger Trips per Revenue Mile	4-70
Figure 4-57:	Demand Response Operating Cost per Passenger Trip	4-71
Figure 4-58:	Demand Response Operating Cost per Revenue Hour	4-72
Figure 4-59:	Demand Response Weekend Service Availability (Revenue Hours)	4-73
Figure 4-60:	Demand Response Operating Expenses	4-74
Figure 4-61:	Demand Response Maintenance Expenses	4-75
Figure 4-62:	Demand Response Farebox Revenues	4-76
Figure 4-63:	Demand Response Farebox Recovery Ratio.....	4-77
Figure 5-1:	How often do you use Miami-Dade Transit services?	5-4
Figure 5-2:	Given its limited resources, what should Miami-Dade Transit's priorities be for the next ten years?.....	5-5
Figure 5-3:	Which of the following destinations could Miami-Dade Transit serve better?	5-6
Figure 7-1:	MDT Employee Peer Comparison.....	7-2
Figure 7-2:	Percentage of People 65 Years and Older	7-24
Figure 7-3:	Percentage of People 18 Years and Under.....	7-25
Figure 7-4:	Percentage of Low Income Households.....	7-26

Draft Table of Contents

Figure 7-5:	Percentage of Zero Car Households	7-27
Figure 7-6:	Percentage Minority	7-28
Figure 7-7:	Population Density	7-29
Figure 7-8:	Highest Concentration of Transit Dependant Population.....	7-30
Figure 7-9:	Transit Propensity Map	7-31
Figure 7-10:	Population Density Increase (2010 - 2040).....	7-33
Figure 7-11:	Employment Density Increase (2010 - 2040)	7-34
Figure 7-12:	Population and Employment Growth	7-42
Figure 7-13:	Person Trip Growth.....	7-43
Figure 7-14:	Transit Ridership Growth by Mode	7-44
Figure 7-15:	MDT Major Trip Generators: Special Attractors, December 2013.....	7-54
Figure 7-16:	MDT Major Trip Generators: Healthcare Facilities, December 2013.....	7-56
Figure 7-17:	MDT Major Trip Generators: Retail Centers, December 2013	7-58
Figure 7-18:	MDT Major Generators: Major Employment Areas and Employers, December 2013	7-60
Figure 7-19:	MDT Major Trip Generators, Educational Centers, December 2013	7-63
Figure 7-20:	MDT Major Trip Generators, County Parks, December 2013	7-65
Figure 8-1:	Future Transit Hub Locations and Feeder Routes for Existing Bus Routes.....	8-21
Figure 8-2:	2024 Recommended Service Plan – New Metrobus Routes.....	8-25
Figure 8-3:	Proposed Park-and-Ride Sites	8-36



Draft Table of Contents